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1   A batch processing version of APL 1130 for student use

Joel D. Hail, Joel D. Kirscher
January 1974   APL '74: Proceedings of the sixth international conference on APL
Publisher: ACM
Full text available: 📄 pdf(142.61 KB)

Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 15,   Citation Count: 0

A Monitor-compatible version of APL 1130 has been adapted for batch use by large numbers of students. Modifications in the I/O phases accomplish the sign-on, workspace loading, and make the card reader the principle input device. These changes allow ...

2 A comparison of batch processing and instant turnaround

Lyle B. Smith
August 1967 Communications of the ACM, Volume 10 Issue 8
Publisher: ACM

Full text available: pdf(767.43 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 13, Citation Count: 4

> A study of the programming efforts of students in an introductory programming course is presented and the effects of having instant turnaround (a few minutes) as opposed to conventional batch processing with turnaround times of a few hours are examined. ...

3 A scheme for coordinating the processing services and documentation of the remote batch user

Dorothy A. Creswell
November 1977   SIGUCCS '77: Proceedings of the 5th annual ACM SIGUCCS conference on User services
Publisher: ACM

Full text available: pdf(237.99 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 3, Citation Count: 0

> An effective, efficient method for scheduling services and coordinating documentation is desirable for any data processing center large or small. The small remote user has needs which differ from those of the large central computing facility, partly ...

4 An experimental comparison of time sharing and batch processing

M. Schatzoff, R. Tsao, R. Wing
May 1967 Communications of the ACM, Volume 10 Issue 5
Publisher: ACM

Full text available: pdf(893.05 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 34, Citation Count: 9

5 An interactive graphical display monitor in a batch-processing environment with remote entry

Alan H. Bond, Jerry Rightnour, L. Steven Coles
November   Communications of the ACM, Volume 12 Issue 11
1969
Publisher: ACM

Full text available: pdf(1.38 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 15, Citation Count: 1

A graphic monitor program is described. It was developed at Carnegie-Mellon University for the CDC G21 computer, which is a general purpose, batch-processing system with remote entry. The existing G21 system and the graphics hardware are described. The ...

Keywords: design of graphical system, graphic interface, graphic monitor, graphics, graphics in batch environment, man/machine interaction

6 Automatic batch processing in multilayer ceramic metallization

Neil DalCero
June 1983 DAC '83: Proceedings of the 20th conference on Design automation
Publisher: IEEE Press

Full text available: pdf(311.37 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 10, Citation Count: 0

This paper describes advances in the batch processing automation of multilayer ceramic metallization manufacturing. The metallization is a plating process that deposits electroless nickel and electroless gold on conductive molybdenum features. The plating ...

7 Discrete event simulation for batch processing

Craig W. Alexander
December 2006 WSC '06: Proceedings of the 38th conference on Winter simulation
Publisher: Winter Simulation Conference

Full text available: pdf(206.83 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 92, Citation Count: 0

This paper presents the modeling of batch processes using discrete event simulation. Discrete event simulation is often used for transactional-based processes; however, this paper describes an example of representing each batch as a single transaction ...

8 KEKOPEN, an open batch processing system at KEK

Y. Banno, H. Hirose, Y. Karita, H. Mawatari, H. Murakami, H. Takahashi, S. Yashiro, H. Yoshiki, N. Hagiwara, Y. Sakurai
July   Communications of the ACM,   Volume 23 Issue 7
1980
Publisher: ACM

Full text available: pdf(3.92 MB)   Additional Information: full citation, references

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 10,   Citation Count: 0

> **Keywords:** center administration, center's own coding, open batch, open device, operating system, portability, self-service, staging, tape handling

9 Performance evaluation of a batch processing computer network under different processing strategies

John Cady, Ronald M. Sorli, Barry S. Thornton
March   SIGMETRICS '76: Proceedings of the 1976 ACM SIGMETRICS conference on
1976   Computer performance modeling measurement and evaluation
Publisher: ACM

Full text available: pdf(439.75 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 35,   Citation Count: 0

> In an Australian national batch-oriented computer network, processing strategies have been investigated, using simulation, to give guidelines for management of the work load and to provide direction for measurement of the performance of the system under …

10 Plant scheduling expert system for batch processing

William Kaminsky, Bruce A. Westergren
June   IEA/AIE '89: Proceedings of the 2nd international conference on
1989   Industrial and engineering applications of artificial intelligence and
             expert systems - Volume 1,   Volume 1
Publisher: ACM

Full text available: pdf(567.33 KB)   Additional Information: full citation, references, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 12,   Citation Count: 0

11 Simulated demand in large-scale batch processing acquisitions: role and justification

Ross T. Newkirk, James K. Mullin
October   ACM SIGSIM Simulation Digest,   Volume 6 Issue 1
1974
Publisher: ACM

Full text available: pdf(599.04 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 0,   Downloads (12 Months): 8,   Citation Count: 0

The authors present this paper in the context of a successful acquisition of a multi user large scale batch processing system. They discuss the role of simulated demand (a) in determining basic system requirements, (b) as the major part of system specifications ...

12 Time-sharing and batch-processing: an experimental comparison of their values in a problem-solving situation

Michael M. Gold
May   Communications of the ACM,   Volume 12 Issue 5
1969
Publisher: ACM

Full text available: pdf(1.51 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 88,   Citation Count: 10

An experimental comparison of problem-solving using time-sharing and batch-processing computer systems conducted at MIT is described in this paper. This study is the first known attempt to evaluate two such systems for what may well be the predominant ...

Keywords: cost effectiveness, decision making performance, man/machine communications, man/machine symbiosis, on-line vs. off-line performance, problem-solving, programming experimental empirical studies, research in man/machine communications, time-sharing vs. batch-processing, user performance, user/programming behavior

13 Trace driven analysis of a batch processing system

C. C. Gotlieb, J. K. Metzger
June ANSS '73: Proceedings of the 1st symposium on Simulation of computer
1973 systems
Publisher: IEEE Press

Full text available: pdf(809.73 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 37, Citation Count: 1

A trace-driven model was used to study a simple processing system which receives batches of jobs from a number of remote terminals. Analysis indicated that the elimination of batching would not harm performance, and that the replacement of the current ...

Keywords: Batch processing, Computer system simulation, System tuning, Trace-driven models

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